AMENDMENTS TO THE CLAIMS

Please replace all prior versions of the claims with the following claim listing:

Claims:

1-20.   (Cancelled)

21.   (New) A method comprising:

displaying a first waveform and a second waveform;

displaying a plurality of icons, each icon corresponding to a measurement to be performed of a parameter defining a relationship between the first waveform and the second waveform;

enabling a user to select one of the plurality of icons;

enabling the user to mark a first point on the first waveform;

enabling the user to mark a second point on the second waveform;

performing a measurement based on the selected icon, the first point on the first waveform, and the second point on the second waveform.

22.   (New) The method of claim 21, wherein the parameter is one of a set-up time, a hold-time, a time difference, and a phase difference.

23.   (New) The method of claim 22, further comprising:

displaying the measured parameter.

24.   (New) The method of claim 21, wherein enabling the user to mark the first and second points further comprises:

responding to a user-manipulated pointing device, the pointing device comprising one of a mouse, a joy-stick, a track-ball, a keyboard, a touch-screen, and a touch-pad.

25.   (New) The method of claim 21, wherein enabling the user to mark the first and second points further comprises:

placing markers on the first and second points, the markers being similar in appearance to the selected icon.

26.   (New) The method of claim 21, wherein displaying the first and second waveforms further comprises:

receiving first and second signals from a device under test, the first and second signals corresponding to the first and second waveforms, respectively.

27.   (New) The method of claim 21, further comprising:

enabling the user to set a measurement threshold based on a percentage of change of one of the first and second waveforms.

28.   (New) A measuring and testing instrument (MTI) comprising:

a display device configured to display a first waveform, a second waveform, and a plurality of icons, each icon corresponding to a measurement to be performed of a parameter defining a relationship between the first waveform and the second waveform;

means for receiving user input, the user input corresponding to a selected first point on the first waveform, and a selected second point on the second waveform, and a selected icon; and

means for measuring a parameter based on the selected icon, the first point, and the second point.

29.   (New) The MTI of claim 28, wherein the measured parameter is one of a set-up time, a hold-time, a delay, and a phase difference.

30.   (New) The MTI of claim 29, wherein the display device is further configured to display the measured parameter.

31.   (New) The MTI of claim 28, further comprising a pointing device allowing a user to select the first point on the first waveform, the second point on the second waveform, and one of the displayed icons

32.   (New) The MTI of claim 31, wherein the pointing device is one of a mouse, a joy-stick, a track-ball, a keyboard, a touch-screen, and a touch-pad.

33.　(New)　The MTI of claim 28, wherein the display device is further configured to display a first mark representing the selected first point on the first waveform and a second mark representing the selected second point on the second waveform.

34.　(New)　The MTI of claim 33, wherein the first and second marks are similar in appearance to the selected icon.

35.　(New)　The MTI of claim 28, further comprising an oscilloscope configured to receive the first and second waveforms from a device under test.

36.　(New)　A graphical user interface (GUI) for use with a measurement device, the GUI comprising:

a waveform display region for displaying a first waveform and a second waveform; and

a toolbar region for displaying a plurality of icons, each icon corresponding to a measurement to be performed of a parameter defining a relationship between the first waveform and the second waveform;

wherein, by manipulation of a pointing device, a first marker is displayed on a first point of the first waveform and a second marker is displayed on a second point of the second waveform.

37.　(New)　The GUI of claim 36, further comprising an information region for displaying a type of measurement being performed based on a selected icon.

38.　(New)　The GUI of claim 36, further comprising a result region for displaying results of a measurement.

39.　(New)　The GUI of claim 36, wherein the first and second markers are positioned over the first and second waveform, respectively, by a drag-and-drop process.